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Dear Dick,

I've received your package of Arcadian material, and though I don't fully understand it all, I am enjoying everything. Very informative. Thanks again.

I've enclosed a program I've converted from BASIC to T-BASIC. This is for nuts like me to-to like to play with numbers. The dashes in lines 10, 20, 30, 200, 220 are just for spacing to have all the words work out. If you'd think that anyone else could use this, pass it on.

Another thing that might be of interest, I've found using those extremely fine tipped felt tip pens (like Sharpie Fine Tip) are great for recording information on the cards supplied with cassette tapes.

I'm looking for more time to work with my Arcadia and to find my mistake when I programmed for "Checkers". Keep up the good work.

Till next time,

Lou

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  5 .PRIME TESTER
  6 .by L.E.GUBERNATIS
  7 .from'57 PROGRAMS &GAMES'
 10 PRINT"THIS PROGRAM TESTS IF A---
    NUMBER IS A PRIME"
 20 PRINT"IT CONTINUES TO CYCLE-----
    UNTIL ZERO IS ENTERED"
 28.
 29.
 30 PRINT"ENTER THE TEST NUMBER,----
    ZERO TO STOP"
 31.
 32.
 40 INPUT N
 60IF N=0 GOTO 220
 70 IF N<4 GOTO 180
 80 I=0
 90 T=2
100 J=N÷T
110 K=J×T
120 IF N=K GOTO 200
130 I=I+1
140L=T×T
150 IF L>N GOTO 180
160 T=(I×2)+1
170 GOTO 100
180 PRINT N,"IS A PRIME"
190 GOTO 28
200 PRINT N,"--IS NOT A PRIME",T,"--IS THE SMALLEST
    FACTOR"
210 GOTO 28
220 PRINT"GOOD-BYE FROM THE PRIME---
    TESTER"
```